

Sussex County



SUSSEX

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Barrier Chemical Industries

Route 515 (Prices Switch Road)

Vernon Township

Sussex County

BLOCK: 41 LOT: 6

CATEGORY: Non-Superfund
State Lead

TYPE OF FACILITY: Chemical Manufacturing
OPERATION STATUS: Inactive

PROPERTY SIZE: 2 Acres

SURROUNDING LAND USE: Agricultural/Residential

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Volatile Organic Compounds
Base Neutral Extractable Compounds

STATUS

Levels Not of Concern

Soil

Volatile Organic Compounds
Semi-Volatile Organic Compounds
Polychlorinated Biphenyls (PCBs)

Removed

FUNDING SOURCES

1986 Bond Fund
Corporate Business Tax





















AMOUNT AUTHORIZED

\$250,000
\$436,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Barrier Chemical Industries manufactured degreasers, sewer cleaners, soaps, disinfectants, insecticides and floor waxes at this site between 1961 and 1975. The facility subsequently served as a warehouse for chemicals used in the company's manufacturing processes at another location. The company reportedly dumped chemical wastes directly onto the ground for several years while the plant was in operation. Sampling of nearby potable wells conducted in 1986 did not show significant levels of contamination. Operations at the facility ceased in 1990, which triggered the New Jersey's Environmental Cleanup Responsibility Act (ECRA, now known as the Industrial Site Recovery Act, or ISRA). Under ECRA, NJDEP approved Barrier Chemical's plan to conduct ground water and soil sampling; however, Barrier Chemical filed for bankruptcy in 1992 and the plan was not implemented.

Between 1995 and 1998, NJDEP's Division of Publicly Funded Site Remediation excavated and disposed of three underground fuel storage tanks and conducted a Remedial Investigation (RI) to determine the nature and extent of contamination in the soil and ground water at the site. The RI revealed that the extent of the soil contamination was limited to a small area near the railroad tracks that abut the property, and the concentrations of contaminants in the ground water were below levels of concern. In 1999, NJDEP excavated and disposed of 150 cubic yards of soil from the railroad track area and backfilled the excavation with clean soil, demolished and removed the building and its contents, backfilled the sump pits with clean materials and closed the remaining underground storage tanks. No further remedial actions are planned for this site.

PROJECT NAME	RI/RAS	DESIGN	CONSTR	O&M	
Drum Removal					 Planned
Fencing					 Underway
Tank Removal					 Completed
Sitewide					 Not Required

Cranberry Lake Ground Water Contamination

Lakeview Trail & Hillcrest Trail Area Byram Township Sussex County

BLOCK: Various **LOT:** Various

CATEGORY: Non-Superfund
State Lead, IEC

TYPE OF FACILITY: Unknown Source
OPERATION STATUS: Not Applicable

PROPERTY SIZE: Not Applicable

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Volatile Organic Compounds

STATUS

Delineated

Potable Water

Volatile Organic Compounds

Treating

FUNDING SOURCES

Spill Fund

Corporate Business Tax







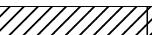
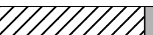




AMOUNT AUTHORIZED

\$32,000

\$25,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Cranberry Lake is a recreational lake surrounded by a densely populated community where many of the residents rely on private wells for their potable water supplies. In 1990, low levels of chlorinated volatile organic compounds were discovered in several private wells located at residences on the northern end of the lake. NJDEP installed Point-of-Entry Treatment (POET) water filtration systems on the two contaminated wells that exceeded New Jersey Drinking Water Standards to provide potable water for the residents. Sampling conducted by the Sussex County Health Department and NJDEP's Division of Publicly Funded Site Remediation between 1997 and 2000 identified nine private potable wells in the area that were contaminated with the gasoline additive methyl tertiary butyl ether (MTBE) at levels above Drinking Water Standards and POET systems were also installed in these homes. NJDEP subsequently used the sampling results to delineate the Currently Known Extent (CKE) of the potable well contamination. The chlorinated volatile organic and MTBE contamination are believed to have resulted from one-time discharges by unregulated parties (i.e., discharges to a private septic system or surface spillage by a resident), therefore a source investigation is not planned. Since the local water purveyor is not able to provide water service to any additional residences in the area, the continued use of POET systems at the affected residences has been selected as the long-term remedy for this site. NJDEP is monitoring and maintaining the POET systems to ensure the units continue to operate effectively, and is periodically sampling private potable wells outside the CKE to monitor the extent of the ground water plume.

PROJECT NAME	RI/RAS	DESIGN	CONSTR	O&M	
Receptor Control (POETS)					 Planned
Sitewide					 Underway
					 Completed
					 Not Required

GESG Reclamation Materials Inc.

41 Lenape Road

Andover Borough

Sussex County

BLOCK: 24 **LOT:** 36.03

CATEGORY: Non-Superfund
State Lead

TYPE OF FACILITY: Waste Processing
OPERATION STATUS: Inactive

PROPERTY SIZE: 8 Acres

SURROUNDING LAND USE: Commercial/Residential/Industrial

MEDIA AFFECTED

CONTAMINANTS

STATUS

Ground Water

Metals

Delineating

Soil

Polychlorinated Biphenyls (PCBs)
Polycyclic Aromatic Hydrocarbons (PAHs)
Petroleum Hydrocarbons
Metals

Removing

Sediments

Polychlorinated Biphenyls (PCBs)
Polycyclic Aromatic Hydrocarbons (PAHs)
Petroleum Hydrocarbons
Metals

Delineating

FUNDING SOURCES

AMOUNT AUTHORIZED

















1986 Bond Fund
Corporate Business Tax

\$1,129,000
\$608,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

GESG Reclamation Materials Inc. blended contaminated construction debris with sand and gravel to generate fill material for use at other locations. The site is several hundred feet from a public supply well operated by the Borough of Andover, but testing of the supply well has shown that the water meets New Jersey Drinking Water Standards. A small area of wetlands is present at the site. A preliminary investigation conducted by NJDEP in 1992 indicated that the soil at the GESG facility was contaminated. In 1993, NJDEP directed the Potentially Responsible Party for the site to determine the extent of the contamination and conduct the necessary remedial actions but the Potentially Responsible Party did not comply.

Between 1995 to 1996, NJDEP's Division of Publicly Funded Site Remediation confirmed the presence of PCBs in the soil and waste materials and began a Remedial Investigation and Remedial Action Selection (RI/RAS) to determine the extent of contamination in the soil, evaluate the ground water and sediments and identify cleanup options. Based on the preliminary findings of the RI/RAS, NJDEP implemented two removal actions between 1997 and 2000 to excavate and dispose of contaminated soil. However, sampling conducted in 2000 after the second soil removal action was completed indicated that subsurface contaminated soil remains at the site. NJDEP plans to delineate this subsurface contamination in 2001. Investigation of ground water will be continued once the soil remedial action is completed. The initial results of the RI indicate that the wetland sediments are not contaminated. Several other locations in Sussex County that are suspected of having received contaminated fill from GESG are also undergoing investigations by NJDEP.

PROJECT NAME	RI/RAS	DESIGN	CONSTR	O&M	
Soil Removal					 Planned
Ground Water Investigation					 Underway
Sitewide					 Completed
					 Not Required

Hemlock Avenue Landfill

Hemlock Avenue

Andover Township

Sussex County

BLOCK: 60 **LOT:** 4.06

CATEGORY: Non-Superfund
State Lead

TYPE OF FACILITY: Illegal Disposal Site
OPERATION STATUS: Not Applicable

PROPERTY SIZE: 130 Acres

SURROUNDING LAND USE: Forest

MEDIA AFFECTED	CONTAMINANTS	STATUS
Soil	Polychlorinated Biphenyls (PCBs) Semi-Volatile Organic Compounds Metals Petroleum Hydrocarbons	Delineated

FUNDING SOURCES

1986 Bond Fund
Corporate Business Tax

AMOUNT AUTHORIZED

\$189,000
\$30,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Contaminated fill derived from operations at the nearby GESG Reclamation Materials, Inc. facility was deposited on this property in 1992. Sampling conducted by NJDEP in 1993 and 1995 indicated that the soil at the site was contaminated with polychlorinated biphenyls (PCBs), semi-volatile organic compounds, petroleum hydrocarbons and metals. NJDEP directed the Potentially Responsible Parties for the site to delineate the contamination and conduct the necessary remedial activities but they did not comply.

In 1996, NJDEP's Division of Publicly Funded Site Remediation began a Remedial Investigation and Remedial Action Selection (RI/RAS) to determine the nature and extent of the contamination and evaluate cleanup options. The RI/RAS revealed that a small quantity of contaminated soil is present at the site. NJDEP expects to complete the RI/RAS and issue a Decision Document identifying the final remedial action to address the contaminated soil in 2001.

PROJECT NAME	RI/RAS	DESIGN	CONSTR	O&M	
Sitewide					
					<input type="checkbox"/> Planned
					<input checked="" type="checkbox"/> Underway
					<input type="checkbox"/> Completed
					<input type="checkbox"/> Not Required

Metaltec Aerosystems

Wildcat Road

Franklin Borough

Sussex County

BLOCK: 64 **LOT:** 13

CATEGORY: Superfund
Federal Lead

TYPE OF FACILITY: Metal Products Manufacturing
OPERATION STATUS: Inactive

PROPERTY SIZE: 16 Acres

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

CONTAMINANTS

STATUS

Ground Water

Volatile Organic Compounds
Metals

Delineated

Potable Water

Volatile Organic Compounds
Metals

Alternate Water Supply
Provided

Soil

Volatile Organic Compounds
Metals

Removed

FUNDING SOURCES

AMOUNT AUTHORIZED

Superfund

\$17,390,000

1981 Bond Fund

\$1,000,000

General State Fund

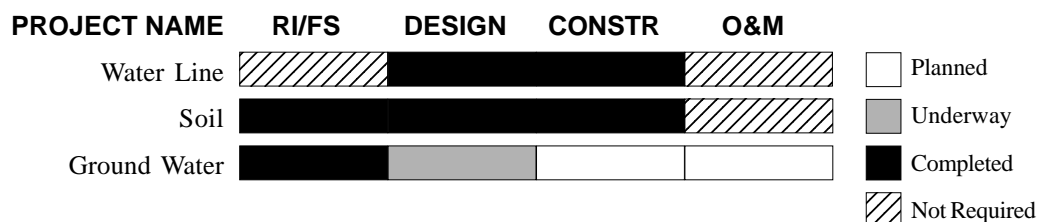
\$426,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

Metaltec Aerosystems manufactured pen and lipstick casings at this site between 1965 and 1980. Operations at the site caused the on-site soil and ground water to become contaminated with volatile organic compounds and metals. The contaminated ground water migrated off-site, which resulted in the closure of three residential drinking water wells and the Borough's backup water supply well in 1980. USEPA added Metaltec Aerosystems to the National Priorities List of Superfund sites in 1983.

In 1984, USEPA initiated a Remedial Investigation and Feasibility Study (RI/FS) to determine the nature and extent of the contamination at the site and identify cleanup alternatives. The RI/FS revealed that four parcels of soil and both the shallow and bedrock aquifers were contaminated. USEPA signed the first Record of Decision (ROD) for the site with NJDEP concurrence in 1986. The ROD required excavation, treatment and off-site disposal of the contaminated soil, implementation of a supplemental ground water investigation, and provision of an alternate water supply to the Borough to replace lost drinking water capacity due to the closure of the backup water supply well. By 1988, USEPA had removed approximately 4,900 cubic yards of soil from three of four contaminated parcels at the site. An alternate water supply pipeline to provide the Borough with water from two privately developed wells was completed in 1991.

In 1990, after completing a study of the ground water at the site, USEPA signed a second ROD with NJDEP concurrence that required installation of a remediation system to extract and treat the contaminated ground water. Additional investigative work is being performed as part of the Remedial Design for the ground water remediation system. USEPA completed remediation of the fourth parcel of contaminated soil in 1995. Approximately 10,500 cubic yards of contaminated soil have been removed from the site since remedial activities began.



North Shore Water Associates

1 Hitoga Trail

Byram Township

Sussex County

BLOCK: 154 **LOT:** 235

CATEGORY: Non-Superfund
State Lead, IEC

TYPE OF FACILITY: Unknown Source
OPERATION STATUS: Not Applicable

PROPERTY SIZE: Not Applicable

SURROUNDING LAND USE: Residential

MEDIA AFFECTED

Ground Water

CONTAMINANTS

Volatile Organic Compounds

STATUS

Confirmed

Potable Water

Volatile Organic Compounds

Treating

FUNDING SOURCES









Spill Fund

AMOUNT AUTHORIZED

\$17,500

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

This site consists of one potable well that serves 15 residences. This well was determined to be contaminated with volatile organic compounds at levels exceeding New Jersey Drinking Water Standards in 1989 during routine testing by North Shore Water Associates. North Shore Water Associates installed a ground water treatment system on the well in 1990 using Spill Fund monies provided by NJDEP and is operating and maintaining the system. The volatile organic contamination is believed to have resulted from a one-time discharge by an unregulated party (i.e., discharges to a private septic system or surface spillage by a resident), therefore a source investigation is not planned.

PROJECT NAME	RI/RAS	DESIGN	CONSTR	O&M	
Receptor Control (Water Treatment)					 Planned
					 Underway
					 Completed
					 Not Required

Route 206 Andover

Route 206 North (Main Street)

Andover Borough

Sussex County

BLOCK: 24 **LOT:** 25

CATEGORY: Non-Superfund
State Lead

TYPE OF FACILITY: Vacant Lot
OPERATION STATUS: Not Applicable

PROPERTY SIZE: 3.2 Acres

SURROUNDING LAND USE: Commercial/Residential

MEDIA AFFECTED

CONTAMINANTS

STATUS

Ground Water

Lead

Delineating

Soil

Polycyclic Aromatic Hydrocarbons (PAHs)
Polychlorinated Biphenyls (PCBs)
Metals

Partially Removed/Delineated

Sediments

Polycyclic Aromatic Hydrocarbons (PAHs)

Delineating

FUNDING SOURCES







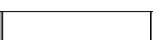
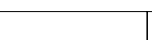
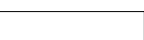



AMOUNT AUTHORIZED

1986 Bond Fund

\$1,433,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

This site is a vacant lot located directly adjacent to Route 206 in Andover Borough. A small unnamed stream borders the site. Contaminated fill derived from operations at the nearby GESG Reclamation Materials, Inc. was deposited at the property in 1992. Preliminary sampling conducted by NJDEP in 1995 confirmed that soil at the site was contaminated with metals, PCBs and PAHs. NJDEP's Division of Publicly Funded Site Remediation began a Remedial Investigation and Remedial Action Selection (RI/RAS) in 1997 to determine the extent of the contamination in the soil, ground water and stream sediments and evaluate cleanup alternatives. The RI revealed that several thousand cubic yards of contaminated soil were present at the site. The RI also indicated that the ground water was contaminated with lead and the stream sediments were contaminated with low levels of PAHs. In 2000, NJDEP excavated and disposed of 5,800 cubic yards of contaminated soil from the site and backfilled the excavations with clean soil. NJDEP is reviewing the post-excavation sampling results to determine whether additional actions are necessary to address the soil. NJDEP is also continuing to evaluate the stream sediments and plans to install additional monitor wells at the site in 2001 to delineate the ground water contamination.

PROJECT NAME	RI/RAS	DESIGN	CONSTR	O&M	
Soil Removal					 Planned
Ground Water Investigation					 Underway
					 Completed
					 Not Required

Route 521

West Shore Drive and Mount Benevolence Road
Stillwater Township

Sussex County

BLOCK: 1703 **LOT:** 6.02

CATEGORY: Non-Superfund
State Lead, IEC

TYPE OF FACILITY: Private Residence
OPERATION STATUS: Not Applicable

PROPERTY SIZE: 0.2 Acre

SURROUNDING LAND USE: Residential/Rural

MEDIA AFFECTED

CONTAMINANTS

STATUS

Ground Water

Petroleum Hydrocarbons

Levels Not of Concern

Soil

Petroleum Hydrocarbons

Levels Not of Concern

Surface Water

Petroleum Hydrocarbons

Levels Not of Concern

FUNDING SOURCES

AMOUNT AUTHORIZED

1986 Bond Fund

\$8,000

SITE DESCRIPTION/RESOLUTION OF ENVIRONMENTAL CONCERNS:

A 250-gallon above ground heating oil tank at this residence leaked its contents onto the ground. Test pits excavated shortly after the spill occurred confirmed that there was oil in the ground water. No further measures were taken at that time and the case was referred to NJDEP for remedial action. The location of the spill is several hundred feet away from three residences with potable wells and just beyond these homes is a stream that flows into Swartswood Lake. NJDEP's Division of Publicly Funded Site Remediation conducted sampling in 1998 that revealed there is no significant contamination present in the ground water, soil or stream, therefore no further actions are planned for this site.

PROJECT NAME RI/RAS DESIGN CONSTR O&M

Sitewide



Planned

Underway

Completed

Not Required